



# 1998 Toxics Release Inventory

## WISCONSIN

### Reported Releases and Waste Management Activities (in pounds)

	Original Industries	New Industries	Total
On-site Releases	30,188,927	15,556,355	45,745,282
Air Emissions	25,035,473	13,770,905	38,806,378
Surface Water Discharges	3,711,391	25,908	3,737,299
Underground Injection Class I Wells	0	0	0
Underground Injection Class II-V Wells	0	0	0
On-site Land Releases to RCRA Subtitle C Landfills	842	0	842
Other On-site Land Releases	1,441,221	1,759,542	3,200,763
Off-site Releases (Transfers Off-site to Disposal)*	12,689,941	2,297,019	14,986,960
<b>Total On- and Off-site Releases</b>	<b>42,878,868</b>	<b>17,853,374</b>	<b>60,732,242</b>
Recycled On-site	60,149,181	12,362,308	72,511,489
Recycled Off-site	54,941,089	472,230	55,413,319
Energy Recovery On-site	10,932,984	0	10,932,984
Energy Recovery Off-site	17,504,954	4,433,731	21,938,685
Treated On-site	115,987,625	2,208,095	118,195,720
Treated Off-site**	17,267,203	2,168,961	19,436,164
Quantity Released On- and Off-site***	40,616,199	17,804,042	58,420,241
<b>Total Production-related Waste Managed</b>	<b>317,399,235</b>	<b>39,449,367</b>	<b>356,848,602</b>
<b>Total Non-production-related Waste Managed</b>	<b>36,926</b>	<b>1,512</b>	<b>38,438</b>

### Transfers Off-site for Further Waste Management/Disposal

Recycling	53,936,438	3,089,108	57,025,546
Energy Recovery	17,657,234	1,836,490	19,493,724
Treatment	9,870,270	1,793,786	11,664,056
Publicly Owned Treatment Works (POTWs)	5,283,136	1,204	5,284,340
Metals and Metal Compounds*	82,928	5	82,933
Non-metal TRI Chemicals**	5,200,208	1,199	5,201,407
Other Off-site Transfers****	6,410	0	6,410
Off-site Transfers to Disposal (not including metals to POTWs)	13,508,837	2,297,020	15,805,857
<b>Total Transfers Off-site for Further Waste Management/Disposal</b>	<b>100,262,325</b>	<b>9,017,608</b>	<b>109,279,933</b>

\* Transfers to POTWs of metals and metal compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

\*\* Transfers to POTWs of non-metals are included in treated off-site waste management activity.

\*\*\* Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.

\*\*\*\*Transfers reported without a valid waste management code.

### For More Information . . .

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#### EPA Regional Contact:

Thelma Codina  
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#### To obtain TRI data use assistance, call TRI User Support Service (TRI-US):

(202) 260-1531  
Fax: (202) 401-2347



■ New industry      ▲ Original industry

The largest marker in the state map represents the largest facility for on-site releases in the state of Wisconsin. All markers are proportionally-sized to represent the on-site releases at each facility within this state.

### State/TRI Data

Population	5,223,500
Square Miles	54,314
Total Facilities	897
Total Forms	2,857
Form As	436

	Original Industries	New Industries	Total
<b>National Rank for Total On- and Off-site Releases*</b>			
Rank	20	31	28
Pounds	42,878,868	17,853,374	60,732,242
<b>National Rank for Total On-site Releases**</b>			
Rank	24	31	29
Pounds	30,188,927	15,556,355	45,745,282
<b>National Rank for Total Releases within State***</b>			
Rank	20	31	28
Pounds	45,119,733	17,895,885	63,015,618
<b>National Rank for Production-related Waste Managed</b>			
Rank	24	28	24
Pounds	317,399,235	39,449,367	356,848,602

\* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

\*\* Includes amounts released at the facility. Excludes amounts transferred to other sites.

\*\*\* Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



# 1998 Toxics Release Inventory

## WISCONSIN

### On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Original Industries)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
67-56-1	Methanol	5,152,836	175,035	0	14,282	7,863	5,350,016	0	7,461	402
—	Nitrate compounds	704	3,284,373	0	164,853	450,346	3,900,276	5,400	450,266	80
7439-96-5	Manganese	108,476	11,003	0	17,100	3,167,174	3,303,753	26,057	3,166,343	831
—	Manganese compounds	52,215	39,675	0	433,929	2,346,355	2,872,174	366,109	1,945,312	401,793
108-88-3	Toluene	2,275,893	0	0	2	45,580	2,321,475	9,072	34,845	10,735
—	Glycol ethers	2,081,729	2,171	0	4	41,275	2,125,179	5	28,418	12,857
7664-93-9	Sulfuric acid	2,062,074	0	0	0	14,800	2,076,874	122,202	0	14,800
1330-20-7	Xylene (mixed isomers)	1,908,687	0	0	2	3,274	1,911,963	1,247	338	2,936
—	Zinc compounds	119,726	5,706	0	463,532	1,322,817	1,911,781	706,069	623,433	699,384
7440-47-3	Chromium	12,523	530	0	18,609	1,690,712	1,722,374	11,170	1,646,193	44,519

\* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

\*\* The chemical ranking is based on the amounts in this column.

### On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Seven New Industries)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
7647-01-0	Hydrochloric acid	11,008,010	0	0	0	0	11,008,010	0	0	0
—	Zinc compounds	69,498	5,741	0	406,652	1,238,246	1,720,137	779	1,232,776	5,470
—	Barium compounds	36,502	166	0	876,175	595,381	1,508,224	15	587,851	7,530
7664-93-9	Sulfuric acid	1,410,497	0	0	0	20,000	1,430,497	0	20,000	0
7664-39-3	Hydrogen fluoride	1,022,201	0	0	28	0	1,022,229	0	0	0
7440-39-3	Barium	811	2,120	0	310,000	14,000	326,931	43,182	14,000	0
—	Manganese compounds	3,866	388	0	28,005	159,767	192,026	10	159,767	0
—	Copper compounds	5,600	858	0	32,052	127,669	166,179	26	127,669	0
7664-41-7	Ammonia	142,971	0	0	0	0	142,971	0	0	0
—	Cobalt compounds	1,015	0	0	7,111	36,500	44,626	0	36,500	0

\* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

\*\* The chemical ranking is based on the amounts in this column.



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### On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Original Industries)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers to Disposal)	
	Underground Injection			On-site Releases to Land				Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
CPI — Kraft Div., Wisconsin Rapids, Wood	2,912,460	1,300	0	0	0	237,000	3,150,760	94,772	0
Fort James Operating Co., Green Bay, Brown	1,253,750	1,301,550	0	0	0	0	2,555,300	67,050	0
Georgia-Pacific Corp., Nekoosa Mill, Nekoosa, Wood	1,463,714	804,638	0	0	0	152,246	2,420,598	0	0
GMTG — Janesville Assembly, Janesville, Rock	781,084	0	0	0	0	0	781,084	4,100	16,270
Packaging Corp. of America, Tomahawk, Lincoln	256,452	22,262	0	0	0	472,750	751,464	0	0
Thilmany, Kaukauna, Outagamie	513,846	75,069	0	0	0	135,060	723,977	0	0
Georgia-Pacific Corp., Port Edwards Mill, Port Edwards, Wood	303,600	387,487	0	0	0	20,200	711,287	0	0
Uniroyal Engineered Prods., Stoughton, Dane	523,768	0	0	0	0	0	523,768	11,000	0
Wausau-Mosinee Paper Corp., Brokaw, Marathon	457,495	4,220	0	0	0	1,544	463,259	0	0
Rhineland Paper Co., Rhineland, Oneida	430,732	34	0	0	0	0	430,766	0	0

\*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

### On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Seven New Industries)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers to Disposal)	
	Underground Injection				On-site Releases to Land			Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
Oak Creek Power Plant, Oak Creek, Milwaukee	3,770,630	5,978	0	0	0	392,200	4,168,808	0	0
Dairyland Power Cooperative — Genoa Site, Genoa, Vernon	2,131,520	1	0	0	0	20	2,131,541	21,500	0
Dairyland Power Coopratve — Alma Site, Alma, Buffalo	1,860,511	875	0	0	0	91,254	1,952,640	370,000	0
Valley Power Plant, Milwaukee, Milwaukee	1,879,047	1,459	0	0	0	0	1,880,506	36,800	0
Port Washington Power Plant, Port Washington, Ozaukee	1,689,027	3,500	0	0	0	0	1,692,527	12,400	0
Pulliam Power Plant, Green Bay, Brown	107,644	66	0	0	0	416,000	523,710	5	0
Nelson Dewey Generating Station, Cassville, Grant	118,060	500	0	0	0	382,800	501,360	0	0
Pleasant Prairie Power Plant, Pleasant Prairie, Kenosha	391,872	6,785	0	0	0	0	398,657	0	0
Weston Power Plant, Rothschild, Marathon	145,613	6	0	0	0	250,000	395,619	0	0
Northern States Power Co. — Wisconsin (French Island), La Crosse, La Crosse	356,772	250	0	0	0	0	357,022	96,613	0

\*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.



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### Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Original Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site*	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
CPI — Kraft Div., Wisconsin Rapids, Wood	0	0	2,469,650	0	1,295,000	6,960,340	3,244,610	13,969,600	0
Fort James Operating Co., Green Bay, Brown	0	62,922	0	0	262,960	0	2,620,170	2,946,052	0
Georgia-Pacific Corp., Nekoosa Mill, Nekoosa, Wood	0	0	2,070,300	0	3,248,180	0	2,423,033	7,741,513	0
Grede Foundries Inc., Milwaukee Steel Div., Milwaukee, Milwaukee	0	0	0	0	0	0	1,502,979	1,502,979	0
Maynard Steel Casting Co., Milwaukee, Milwaukee	0	88,783	0	0	0	0	1,468,837	1,557,620	0
Waupaca Fndy. Inc., Plant 2/3, Waupaca, Waupaca	0	805,240	0	0	122,300	8,980	1,280,196	2,216,716	0
GMTG — Janesville Assembly, Janesville, Rock	0	1,317,831	0	0	436,751	100,900	791,870	2,647,352	0
Packaging Corp. of America, Tomahawk, Lincoln	0	0	0	0	802,172	0	751,467	1,553,639	0
Thilmany, Kaukauna, Outagamie	0	0	351,000	0	2,802,200	0	723,020	3,876,220	0
Georgia-Pacific Corp., Port Edwards Mill, Port Edwards, Wood	0	0	8,200	0	1,500,000	0	710,600	2,218,800	0

\*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

### Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Seven New Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site*	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
Oak Creek Power Plant, Oak Creek, Milwaukee	0	0	0	0	0	0	4,168,400	4,168,400	0
Dairyland Power Cooperative — Alma Site, Alma, Buffalo	0	0	0	0	0	0	2,326,000	2,326,000	0
Dairyland Power Cooperative — Genoa Site, Genoa, Vernon	0	0	0	0	0	0	2,153,000	2,153,000	0
Valley Power Plant, Milwaukee, Milwaukee	0	0	0	0	0	0	1,917,200	1,917,200	0
Port Washington Power Plant, Port Washington, Ozaukee	0	0	0	0	0	0	1,708,800	1,708,800	0
Edgewater Generating Station, Sheboygan, Sheboygan	0	0	0	0	0	0	1,201,710	1,201,710	0
Manitowoc Public Utilities, Manitowoc, Manitowoc	0	0	0	0	0	355,430	666,688	1,022,118	0
Pulliam Power Plant, Green Bay, Brown	0	0	0	0	1,256,000	0	523,100	1,779,100	0
Nelson Dewey Generating Station, Cassville, Grant	0	0	0	0	0	0	501,492	501,492	6
Northern States Power Co. — Wisconsin (French Island), La Crosse, La Crosse	0	0	0	0	73,746	0	452,988	526,734	0

\*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.